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Substitute for Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Application Number

(U.S. National Phase Appln.
based on PCT/JP2003/013281)

Filing Date

Concomitantly herewith

First Named Inventor

Shoichiro TAIRA et al

Group Art Unit

Examiner Name

Sheet

1

of

1

Attorney Docket Number

05028/HG

U.S. PATENT DOCUMENTS

Exam. Inits [*]	Cite No ¹	Document Number	Kind Code ²	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion

FOREIGN PATENT DOCUMENTS

Exam. Inits [*]	Cite No ¹	Offc ³	Document Number ⁴	Kind Code ⁵	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T ⁶
/JZ/		JP	2000-160358	A	SUMOTOMO METAL IND	06-13-2000		
		JP	2001-232358	A	NKK CORP.	11-22-2001		
/JZ/		JP	8-325689	A	NIPPON STEEL CORP	12-10-1996		
/JZ/		WO	91/09152	A1	NIPPON STEEL CORP	06-27-1991		
/JZ/		JP	2000-328220	A	SUMITOMO METAL IND	11-28-2000		
/JZ/		JP	5-65623	A	NKK CORP.	03-19-1993		

Examiner
Signature

/John Zimmerman/

Date
Considered

03/17/2007

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¹ Unique citation designation number. ² See kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Place a check here if English translation is attached.


DATE MAILED: **JANUARY 18, 2005**

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PTO/SB/08A (08-00)

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Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT 				Application Number	10/521,474
				Filing Date	February 9, 2005
				First Named Inventor	Shoichiro TAIRA et al
				Group Art Unit	1775
				Examiner Name	John ZIMMERMAN
Sheet	1	of	2	Attorney Docket Number	05028/HG

U.S. PATENT DOCUMENTS

Exam. Inits [*]	Cite No ¹	Document Number ²	Kind Code ²	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
/JZ/		5,525,431	A	KANAMARU et al.	06-11-1996	

FOREIGN PATENT DOCUMENTS

Exam Inits [*]	Cite No ¹	offc ³	Document Number ⁴	Kind Code ⁵	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T ⁶
		JP	2000-160358	A	SUMOTOMO METAL IND	06-12-2000		*
		JP	2001-232358	A	TRABAKI PRE et al	08-28-2001		*
		JP	08-325689	A	NIPPON STEEL CORP	12-10-1996		*
		WO	91/09152	A1	NIPPON STEEL CORP	06-27-1991		**
		JP	2000-328220	A	SUMITOMO METAL IND	11-20-2000		*
		JP	05-065623	A	NKK CORP	03-18-1993		*

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DATE MAILED: **February 8, 2007**

*English language translation


**USP 5,525,431 is a related family member of WO 91/09152

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PTO/SB/08A (08-00)

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U.S. PATENT DOCUMENTS

Exam. Inits ^a	Cite No ^b	Document Number	Kind Code ^c	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion

FOREIGN PATENT DOCUMENTS

Exam Inits ^a	Cite No ^b	off ^c	Document Number ^d	Kind Code ^e	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T ^f
/JZ/		JP	2002-004019	A	NKK CORP	01-09-2002		*
/JZ/		JP	2002-004020	A	NKK CORP	01-09-2002		*
/JZ/		JP	02-190483	A	NIPPON STEEL CORP	07-26-1990		*
/JZ/		JP	03-191091	A	NIPPON STEEL CORP	08-21-1991		*
/JZ/		JP	03-191092	A	NIPPON STEEL CORP	08-21-1991		*
/JZ/		JP	03-191093	A	NIPPON STEEL CORP	08-21-1991		*
/JZ/		JP	03-191094	A	NIPPON STEEL CORP	08-21-1991		*

Examiner Signature	/John Zimmerman/	Date Considered	03/17/2007
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*English language Abstract enclosed.